

## WEST Search History

DATE: Thursday, June 02, 2005

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L41	L40 and ((without or "no" or "off" or "non") with (phase with encod\$4))	17
<input type="checkbox"/>	L40	L39 and (amplitude)	58
<input type="checkbox"/>	L39	L1 and (("after" or following or post) with (correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3) with (blur\$4 or ghost\$4 or alias\$4 or (stimulat\$4 with echo) or "t2" or "t.sub.2"))	113
<input type="checkbox"/>	L38	L1 and ((after or following or post) with ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3) (amplitude) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4")))	2
<input type="checkbox"/>	L37	L1 and ((after or following or post) with (acquir\$4 or post or acquisition\$4) with ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3) (amplitude) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4")))	0
<input type="checkbox"/>	L36	L35 and ((without or "no" or "off" or "non") with (phase with encod\$4))	1
<input type="checkbox"/>	L35	L34 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3) (amplitude) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	47
<input type="checkbox"/>	L34	L33 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3) with (amplitude or magnitude or peak))	6045
<input type="checkbox"/>	L33	L1 and ((amplitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	6858
<input type="checkbox"/>	L32	L31 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L31	L30 and ((after or following or post) with (data or echo or signal)with (acquir\$4 or post or acquisition\$4))	46
<input type="checkbox"/>	L30	L26 and ((amplitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	84
<input type="checkbox"/>	L29	L28 and ((after or following or post) with (acquir\$4 or post or acquisition\$4))	26
<input type="checkbox"/>	L28	L27 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or echo or signal or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	40
<input type="checkbox"/>	L27	L26 and ((without or "no" or "off" or "non") with (phase with encod\$4))	45
<input type="checkbox"/>	L26	L25 and (phase with encod\$4)	104
<input type="checkbox"/>	L25	L24 and (fse or fast or (spin with echo) or EPI or flash)	394
<input type="checkbox"/>	L24	L23 and ((acquir\$4 or post or acquisition\$4) with (data or echo or signal))	570

<input type="checkbox"/>	L23	L22 and (acquir\$4 or post or acquisition\$4)	795
<input type="checkbox"/>	L22	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak) with (modulat\$4 or shift\$4 or drift\$4 or delay\$3 or off-center\$4 or "off center\$4"))	1019
<input type="checkbox"/>	L21	(5451876 or 4999581 or 4857846)	54
<input type="checkbox"/>	L20	L18 and ((combin\$3 or "multi" or coil) with (image or reconstruct\$4))	12
<input type="checkbox"/>	L19	L18 and ((combin\$3 or (multi with coil)) with (image or reconstruct\$4))	9
<input type="checkbox"/>	L18	L17 and ((without or "no" or "off" or "non") with (phase with encod\$4))	19
<input type="checkbox"/>	L17	L16 and ((phased or phase) with (array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	36
<input type="checkbox"/>	L16	L15 and (gradient)	69
<input type="checkbox"/>	L15	L14 and (phase with encod\$4)	75
<input type="checkbox"/>	L14	L13 and ((reference or calibrat\$4 or precondition\$3 or prescan\$4 or prepara\$4 or pre-scan\$4 or pre-pulse or preliminary or initial\$2) with (data or raw or image or k-space or kspace or "k space" or "kx" or "ky" or "kz"))	386
<input type="checkbox"/>	L13	L12 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	725
<input type="checkbox"/>	L12	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2358
<input type="checkbox"/>	L11	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3 or echo\$3) with (amplitude or magnitude or peak))	2358
<input type="checkbox"/>	L10	L9 and ((correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3 or shift\$4 or drift\$3 or offset\$4 or delay\$3) with (amplitude or magnitude or peak))	2267
<input type="checkbox"/>	L9	L8 and (correct\$4 or compensat\$4 or adjust\$4 or fix\$3 or modify or modif\$3 or chang\$3)	5843
<input type="checkbox"/>	L8	L6 and ((receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	5918
<input type="checkbox"/>	L7	L6 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil) with (independent\$2 or individual\$2 or separat\$2))	1776
<input type="checkbox"/>	L6	L5 and ((array or plurality or multi or multiple or "more than one" or dual or "at least two" or plural) with (receiv\$3 or detect\$3 or sens\$3 or reception or sensitiv\$5 or coil))	10723
<input type="checkbox"/>	L5	L4 and (array or plurality or multi or multiple or "more than one" or dual or "at least two")	31002
<input type="checkbox"/>	L4	L3 and (receiv\$3 or detect\$3 or sens\$3 or reception)	41204
<input type="checkbox"/>	L3	L2 and (independent\$2 or individual\$2 or separat\$2)	55219
<input type="checkbox"/>	L2	L1 and (amplitude or magnitude or peak)	63185

☐ L1 ((magnetic adj resonance) or MRI or NMR)

204177

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 17 of 17 returned.

☐ 1. Document ID: US 20020135366 A1

L41: Entry 1 of 17

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020135366

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020135366 A1

TITLE: Multi-echo magnetic resonance imaging method

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Heubes, Peter	Poxdorf		DE	

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw U
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☐ 2. Document ID: US 6492810 B1

L41: Entry 2 of 17

File: USPT

Dec 10, 2002

US-PAT-NO: 6492810

DOCUMENT-IDENTIFIER: US 6492810 B1

TITLE: Anti-aliasing magnetic resonance device which reduces aliasing from regions outside of the excitation volume

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hajnal; Jospeh Vilmos	London			GB

US-CL-CURRENT: 324/309; 324/307, 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 3. Document ID: US 6483305 B1

L41: Entry 3 of 17

File: USPT

Nov 19, 2002

US-PAT-NO: 6483305

DOCUMENT-IDENTIFIER: US 6483305 B1

TITLE: Magnetic resonance method for reducing residual magnetization and adjusting the amplitude of gradient pulses

DATE-ISSUED: November 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miyamoto; Shoei	Tokyo			JP

US-CL-CURRENT: 324/307; 324/309

Full	Title	Station	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 4. Document ID: US 6249595 B1

L41: Entry 4 of 17

File: USPT

Jun 19, 2001

US-PAT-NO: 6249595

DOCUMENT-IDENTIFIER: US 6249595 B1

TITLE: Iterative reconstruction for EPI

DATE-ISSUED: June 19, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foxall; David L.	Fort Collins	CO		
Harvey; Paul R.	Karkoor			IL
Huang; Jian	Poway	CA		

US-CL-CURRENT: 382/128

Full	Title	Station	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 5. Document ID: US 6229309 B1

L41: Entry 5 of 17

File: USPT

May 8, 2001

US-PAT-NO: 6229309

DOCUMENT-IDENTIFIER: US 6229309 B1

TITLE: MR method

DATE-ISSUED: May 8, 2001



## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aldefeld; Bernd	Hamburg			DE

US-CL-CURRENT: 324/314; 324/307, 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 6. Document ID: US 6188219 B1

L41: Entry 6 of 17

File: USPT

Feb 13, 2001

US-PAT-NO: 6188219

DOCUMENT-IDENTIFIER: US 6188219 B1

**\*\* See image for Certificate of Correction \*\***TITLE: Magnetic resonance imaging method and apparatus and method of calibrating the same

DATE-ISSUED: February 13, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reeder; Scott B.	Baltimore	MD		
Atalar; Ergin	Columbia	MD		
Faranesh; Anthony Z.	Baltimore	MD		
McVeigh; Elliot R.	Timonium	MD		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 7. Document ID: US 6064205 A

L41: Entry 7 of 17

File: USPT

May 16, 2000

US-PAT-NO: 6064205

DOCUMENT-IDENTIFIER: US 6064205 A

TITLE: Correction of artifacts caused by maxwell terms in slice offset echo planar imaging

DATE-ISSUED: May 16, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Pewaukee	WI		
Du; Yiping	Pewaukee	WI		
Bernstein; Matthew A.	Waukesha	WI		
Reynolds; Hammond G.	Milwaukee	WI		

Maier; Joseph K. Milwaukee WI  
Polzin; Jason A. Lake Mills WI

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ENC	Draw D
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☐ 8. Document ID: US 5923168 A

L41: Entry 8 of 17

File: USPT

Jul 13, 1999

US-PAT-NO: 5923168

DOCUMENT-IDENTIFIER: US 5923168 A

TITLE: Correction of artifacts caused by Maxwell terms in slice offset echo planar imaging

DATE-ISSUED: July 13, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Pewaukee	WI		
Du; Yiping	Pewaukee	WI		
Bernstein; Matthew A.	Waukesha	WI		
Reynolds; Hammond G.	Milwaukee	WI		
Maier; Joseph K.	Milwaukee	WI		
Polzin; Jason A.	Lake Mills	WI		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ENC	Draw D
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☐ 9. Document ID: US RE35656 E

L41: Entry 9 of 17

File: USPT

Nov 11, 1997

US-PAT-NO: RE35656

DOCUMENT-IDENTIFIER: US RE35656 E

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (GRASE) imaging

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	New York	NY		
Oshio; Koichi	Brookline	MA		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Creation	Print	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 10. Document ID: US 5672969 A

L41: Entry 10 of 17

File: USPT

Sep 30, 1997

US-PAT-NO: 5672969

DOCUMENT-IDENTIFIER: US 5672969 A

TITLE: Reduction of Nyquist ghost artifacts in oblique echo planar imaging

DATE-ISSUED: September 30, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Franklin	WI		
Maier; Joseph K.	Milwaukee	WI		
Epstein; Frederick H.	Gaithersburg	MD		

US-CL-CURRENT: 324/309

Full	Title	Creation	Print	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 11. Document ID: US 5578923 A

L41: Entry 11 of 17

File: USPT

Nov 26, 1996

US-PAT-NO: 5578923

DOCUMENT-IDENTIFIER: US 5578923 A

TITLE: T2 restoration and noise suppression of hybrid MR images using wiener and linear prediction techniques

DATE-ISSUED: November 26, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Haiguang	San Francisco	CA		

US-CL-CURRENT: 324/309; 128/925

Full	Title	Creation	Print	Review	Classification	Date	Reference			Claims	DOC	Draw U
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☐ 12. Document ID: US 5517122 A

L41: Entry 12 of 17

File: USPT

May 14, 1996

US-PAT-NO: 5517122

DOCUMENT-IDENTIFIER: US 5517122 A



TITLE: T2 restoration and noise suppression of hybrid MR images using Wiener and linear prediction techniques

DATE-ISSUED: May 14, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Haiguang	San Francisco	CA		

US-CL-CURRENT: 324/322; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 13. Document ID: US 5270654 A

L41: Entry 13 of 17

File: USPT

Dec 14, 1993

US-PAT-NO: 5270654

DOCUMENT-IDENTIFIER: US 5270654 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Ultra-fast multi-section MRI using gradient and spin echo (grase) imaging

DATE-ISSUED: December 14, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	Berkeley	CA	94708	
Oshio; Koichi	Brookline	MA	02146	

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 14. Document ID: US 4746860 A

L41: Entry 14 of 17

File: USPT

May 24, 1988

US-PAT-NO: 4746860

DOCUMENT-IDENTIFIER: US 4746860 A

TITLE: Magnetic resonance imaging system

DATE-ISSUED: May 24, 1988

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Satoh; Kozo	Yokohama			JP

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	AMC	Unsub U
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☐ 15. Document ID: US 4684891 A

L41: Entry 15 of 17

File: USPT

Aug 4, 1987

US-PAT-NO: 4684891

DOCUMENT-IDENTIFIER: US 4684891 A

TITLE: Rapid magnetic resonance imaging using multiple phase encoded spin echoes in each of plural measurement cycles

DATE-ISSUED: August 4, 1987

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Feinberg; David A.	Berkeley	CA		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	AMC	Unsub U
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☐ 16. Document ID: US 4609872 A

L41: Entry 16 of 17

File: USPT

Sep 2, 1986

US-PAT-NO: 4609872

DOCUMENT-IDENTIFIER: US 4609872 A

TITLE: NMR multiple-echo phase-contrast blood flow imaging

DATE-ISSUED: September 2, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Donnell; Matthew	Schenectady	NY		

US-CL-CURRENT: 324/306; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	AMC	Unsub U
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☐ 17. Document ID: US 4431968 A

L41: Entry 17 of 17

File: USPT

Feb 14, 1984

US-PAT-NO: 4431968

DOCUMENT-IDENTIFIER: US 4431968 A

TITLE: Method of three-dimensional NMR imaging using selective excitation

DATE-ISSUED: February 14, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edelstein; William A.	Schenectady	NY		
Bottomley; Paul A.	Clifton Park	NY		

US-CL-CURRENT: 324/309; 324/311

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMDC	Draw.D.
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Term	Documents
WITHOUT	6821131
WITHOUTS	24
NO	7728169
NOES	1095
NOS	721713
NOE	8375
OFF	3408972
OFFS	26882
NON	4070707
NONS	478
PHASE	1883251
(L40 AND ((WITHOUT OR "NO" OR "OFF" OR "NON") WITH (PHASE WITH ENCOD\$4)) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	17

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☐ 1. Document ID: US 6452390 B1

L36: Entry 1 of 1

File: USPT

Sep 17, 2002

US-PAT-NO: 6452390

DOCUMENT-IDENTIFIER: US 6452390 B1

TITLE: Magnetic resonance analyzing flow meter and flow measuring method

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wollin; Ernest	Leesburg	FL		

US-CL-CURRENT: 324/306; 324/307

Full	Title	Creation	Front	Review	Classification	Date	Reference	Claims	DOC	Visor
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Term	Documents
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WITHOUTS	24
NO	7728169
NOES	1095
NOS	721713
NOE	8375
OFF	3408972
OFFS	26882
NON	4070707
NONS	478
PHASE	1883251
(L35 AND ((WITHOUT OR "NO" OR "OFF" OR "NON") WITH (PHASE WITH ENCOD\$4)) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

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